



ProFleet Syn-Blend XHD

DESCRIPTION

ProFleet Syn-Blend XHD Engine Oil is formulated to meet the latest requirements of U.S. Tier 4 and European EURO VI emission standards, for long-lasting protection of diesel engines equipped with diesel particulate filters (DPF) and to exceed the performance standards for virtually all global diesel engine manufacturers. ProFleet Syn-Blend XHD Engine Oil is compounded with advanced additive and friction reducing chemistry that delivers superior wear protection, optimum fuel economy and long-lasting soot and oxidation control to support maximum service intervals.

PERFORMANCE BENEFITS

- Superior anti-wear properties protect critical engine components
- Special friction optimized chemistry delivers optimal fuel economy
- Enhanced detergency properties protect pistons and rings from carbon deposits
- Advanced dispersants keep soot in suspension and reduces oil thickening in extended intervals
- Excellent TBN retention neutralizes acidic engine conditions in extended service intervals
- Outstanding lubricity characteristics with ultra-low sulfur (ULS) diesel and low-sulfur EPA diesel fuels
- Backward compatible and may be used in older vehicles requiring previous API service categories
- Long-term protection of DPF and exhaust gas recirculation (EGR) NOx reduction systems
- Proven technology with over 40 million miles of field testing across major engine platforms

PRODUCT APPLICATION

ProFleet Syn-Blend XHD Engine Oil is recommended for the following heavy-duty engine oil requirements:

Exceeds **API Service Categories CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4** & Gasoline engines **SN & SM (SAE 15W-40), SL, SJ & SH (SAE 15W-40 & SAE 10W-30)**

Exceeds **ACEA E6/E9-2012** performance standards (E9-2016 ready)

Exceeds Engine Manufacturer Performance Requirements: **Caterpillar ECF-3, ECF-2 & ECF-1, Cummins CES 20086, 20081, 20077, 20076, 20071, Detroit Diesel 93K222 & 93K218, Mack EOS-4.5, EO-O Premium Plus 07, EO-N, EO-M Plus, EO-L Plus, Mercedes Benz (Daimler) 228.31 & 228.3, Chrysler MS-10902 & MS 6395-G, Ford ESE-M2C153-E & WSS-M2C171-E, MIL-L-2104E, Allison C-4, Caterpillar TO-2, Department of Defense CID-a-a-52306A2 & A-A-52039A3, Navistar (International), John Deere, Deutz DQC III-10-LA & III-05, AGCO (Allis Chalmers), Volvo VDS-4.5 & VDS-4, PACCAR, MAN M3575, JASO DH-2, MTU 2.1, Renault RLD-4 & RDL-3, Global DHD-1**

Typical Physical Properties			
Property	Method	10W-30	15W-40
SAE Grade		10W-30	15W-40
Viscosity, cSt @ 40°C	D-445	81.7	113.9
Viscosity, cSt @ 100°C	D-445	12.2	15.6
Viscosity Index	D-2270	150	145
Specific Gravity, 60/60°F	D-1250	0.865	0.869
Flash Point, COC, °C(°F)	D-92	222 (432)	236 (457)
Pour Point, °C(°F)	D-97	-39 (-38)	-33 (-27)
Color	D-1500	4.0	4.0
Total Base Number (TBN)	D-2896	10.0	10.0
Sulfated Ash, wt.%	D-4929	1.0 max	1.0 max
Minor variations in physical test results may occur through normal manufacturing			

Always consult original equipment manufacturer's lubricant recommendation for proper fluid application.

